In the Claims

The following listing of the claims replaces all previous listings.

1.   (Currently Amended) Dual mode radio frequency reception device of the type enabling simultaneous reception firstly of multi-carrier digital audio broadcast (DAB) signals in a first frequency band (11), and secondly, radio global positioning signals (GPS) in a second frequency band (12), (13), the device comprising a single preprocessing module (21), including a pass-band antenna filter (211) in which the pass-band includes at least the said first and second frequency bands, and simultaneously outputting firstly to a first processing system (22) for processing the multi-carrier digital audio broadcast (DAB), and secondly to a second processing system (23) for processing the said radio global positioning signals (GPS), and simultaneously displaying the processed multi-carrier digital audio broadcast (DAB) signals and the processed radio global positioning signals (GPS).

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2.   (Previously Presented) Device according to claim 1, characterized in that the said single preprocessing module (21) also comprises at least one of the elements belonging to the group comprising:
    - a first low noise amplifier (212);
    - a first transposition stage (213) to a first intermediate frequency, by multiplying by a first transposition frequency;
    - a second amplifier (214).

3.   (Currently Amended) Device according to claim 1, characterized in that the said first processing system (22) comprises first digitization means (226) and the said second reception processing system comprises second digitization means (236), the said first and second digitization means being controlled by the same analog-digital conversion frequency.

4.   (Previously Presented) Device according to claim 3, characterized in that the said first digitization means (226) include a delta-sigma pass-band modulator.

5.   (Previously Presented) Device according to claim 3, characterized in that the said second digitization means (236) include a "1-bit" quantifier.

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6.   (Previously Presented) Device according to claim 1, characterized in that it also comprises a frequency synthesizer (31 to 31a) outputting into the said first and second processing systems, capable of generating at least two frequencies belonging to the group comprising:

- the said first transposition frequency;

- the said digital conversion frequency,

- a second transposition frequency used by a second transposition stage to a second intermediate frequency included in the said first processing system;

- a second transposition frequency used by a second transposition stage to a second intermediate frequency included in the said second processing system.

7.   (Currently Amended) Device according to claim 10, characterized in that the said first processing system (22) is used for the reception of DAB signals and in that the second processing system (23) is used for the reception of GPS signals.

8.   (Previously Presented) Device according to claim 1, characterized in that the said first frequency band is between about 1452.192 MHz and 1491.392 MHz;

and in that the said second frequency band is between about 1574.42 MHz and 1576.42 MHz.

9.   (Previously Presented) Portable multimedia receiver, characterized in that it comprises a dual mode radio frequency reception device according to claim 1.

10.   (New) Dual mode radio frequency reception device of a type enabling simultaneous reception firstly of multi-carrier broadcast signals in a first frequency band, and secondly, radio positioning signals in a second frequency band, the device comprising a single preprocessing module, including a pass-band antenna filter in which the pass-band includes at least the first and second frequency bands, simultaneously outputting firstly to a first processing system for processing the multi-carrier broadcast signals, and secondly to a second processing system for processing the radio positioning signals, and simultaneously

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displaying the processed multi-carrier broadcast signals and the processed radio positioning signals.

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